

**JOINT STAFF/TAC REPORT
FALL FACT SHEET NO. 5
Columbia River Compact
September 17, 2001**

PURPOSE: Review salmon and steelhead stock status and consider treaty Indian fishing options.

TAC: The Technical Advisory Committee (TAC) reviewed this fact sheet.

Management Guidelines

Endangered Species Act

<i>Listed Salmon and Steelhead of the Columbia Basin Present During August 1-December 31</i>		
Species – ESU	Designation	Effective Date
<u>Federally Listed Species</u>		
<u>Chinook</u>		
<i>Snake River Fall</i>	Threatened	May 22, 1992
<i>Lower Columbia R. Spring/Fall</i>	Threatened	May 24, 1999
<u>Chum</u>		
<i>Columbia River</i>	Threatened	May 24, 1999
<u>Steelhead</u>		
<i>Snake River</i>	Threatened	October 17, 1997
<i>Upper Columbia River</i>	Endangered	October 17, 1997
<i>Middle Columbia River</i>	Threatened	May 24, 1999
<i>Lower Columbia River</i>	Threatened	May 18, 1998
<u>Cutthroat Trout</u>		
<i>Southwest Washington</i>	Proposed Threatened	Decision due October 5, 2000
<u>Oregon State Listed Species</u>		
<u>Coho</u>		
<i>Lower Columbia</i>	Endangered	July 16, 1999

- Coho salmon in the lower Columbia ESU are currently under review for listing under the Federal ESA.
- Lower Columbia River chum impacts in non-Indian fisheries will be managed not to exceed 5% and expected to be about 2%.
- Combined ocean and freshwater fisheries will be managed to limit impacts on wild coho destined for Oregon tributaries to no more than 15% as per the 2001 incidental take permit issued by the OFWC.
- A Biological Opinion concerning fall fisheries in the Columbia River was signed on August 10, 2001.

2001 Management Agreement

- The states and tribes reached an agreement for management of 2001 fall fisheries. The 2001 Management Agreement allocates the 31.29% URB harvest rate 8.25% to non-Indian fisheries and 23.04% to treaty Indian fisheries.
- Based on results of the North of Falcon negotiation process the non-Indian impact rate of 8.25% is allocated 4.90% for sport fisheries and 3.35% for commercial fisheries. Fall chinook catch expectations associated with these impact levels are 19,300 sport catch and 17,200 commercial catch.
- Non-Indian fisheries will be managed not to exceed a 2% impact rate on Group B wild index steelhead.
- Treaty Indian fall fisheries for 2001 will be managed according to the Fall Season Management Agreement to not exceed a 23.04% impact rate on URB fall chinook and 15% on wild Group B Index steelhead.

Stock Status

Summer Steelhead

Summer Steelhead Dam Counts					
		September 16	Cumulative Total Through September 16		
			2001	2000	1995-1999 Average
Bonneville	Skamania Index	-----	28,725	16,600	7,200
	Group A Index	2,131	478,300	204,000	160,300
	Group B Index	2,169	51,400	29,400	12,300
	Total	4,300	558,400	250,000	179,800
The Dalles		5,723	325,800	157,500	
John Day		13,066	228,300	140,700	
McNary		8,439	178,000	71,100	
Ice Harbor		7,127	92,100	53,800	
Lower Granite		1,189	44,800	27,900	
Priest Rapids		511	19,300	8,800	

- The record large return of 28,700 Skamania index steelhead (20,700 hatchery and 8,000 wild) more than doubled the preseason forecast of 12,000 (9,000 hatchery and 3,000 wild).
- To date 58% of the steelhead passing Bonneville Dam have passed The Dalles Dam.
- Group B index steelhead typically peak in September with 60% of the hatchery fish and 77% of the wild fish passing Bonneville Dam by September 16.
- Returns of wild fish comprise 27% of the Group A index return and 19% of the Group B index return.

<i>Upriver Summer Steelhead Returns to Bonneville Dam</i>										
Year	Group A Index (<78 cm)					Group B Index (>=78 cm)				
	Number Wild	%	Number Hatchery	%	Total	Number Wild	%	Number Hatchery	%	Total
1984	52,500	27	143,200	73	195,700	13,800	14	84,200	86	98,000
1985	51,900	18	229,600	82	281,500	13,000	32	27,900	68	40,900
1986	56,600	20	230,900	80	287,500	10,000	16	54,000	84	64,000
1987	106,700	45	131,600	55	238,300	14,000	31	31,000	69	45,000
1988	64,300	37	108,800	63	173,100	17,700	22	63,900	78	81,600
1989	57,500	30	135,600	70	193,100	12,400	16	65,200	84	77,600
1990	27,100	23	88,500	77	115,600	8,800	19	38,400	81	47,200
1991	60,300	26	173,800	74	234,100	6,200	22	22,100	78	28,300
1992	44,300	18	197,200	82	241,500	12,700	22	44,800	78	57,500
1993	28,700	21	108,000	79	136,700	4,400	12	31,800	88	36,200
1994	21,200	18	99,800	82	121,000	5,200	19	22,300	81	27,500
1995	26,000	14	154,000	86	180,000	1,900	14	11,300	86	13,200
1996	25,700	15	148,700	85	174,400	3,900	21	14,900	79	18,800
1997	30,900	15	177,300	85	208,200	3,900	11	32,800	89	36,700
1998	34,800	26	99,900	74	134,700	3,400	9	36,900	91	40,300
1999	56,600	32	119,900	68	176,500	3,700	17	18,400	83	22,100
2000	63,600	29	153,100	71	216,700	8,400	21	32,500	79	40,900
2001 Proj.	132,700	26	374,200	74	506,900	11,400	17	57,300	83	68,700

- Preseason forecasts were for 201,300 Group A index steelhead, including 49,000 wild fish and 152,300 hatchery fish, and 36,100 Group B index steelhead, including 27,100 hatchery fish and 9,000 wild fish.
- A return of 604,300 summer steelhead to the Columbia River would represent the largest return on record (since 1938) and would more than double the preseason prediction of 254,000.

Fall Chinook

Adult Fall Chinook Dam Counts					
		September 16	Cumulative through September 16		
		Daily	2001	2000	1995-1999 Average
Bonneville	Bright	7,198	215,029	150,300	139,100
	Tules	2,549	119,291	20,900	27,900
	Total Counts	9,747	334,320	171,200	167,000
The Dalles		5,077	125,300	105,210	79,500
John Day		5,812	81,600	82,700	54,800
McNary		3,307	54,200	47,100	37,900
Priest Rapids		NA	NA	25,900	11,700
Ice Harbor		428	6,000	4,000	1,900
Lower Granite		281	2,400	1,700	600

- Typically 81% of the bright adult return and 89% of the tule adult run passes Bonneville Dam through September 16.
- Returns of jack fall chinook have been strong to date with 39,200 brights and 22,500 tules (including adult-size jacks) counted at Bonneville Dam through September 16. Typically 93% of tule jacks and 51% of bright jacks pass Bonneville Dam through September 16. The tule jack count is over four times the previous record return of 5,100 in 2000.
- The McNary Dam count of 54,000 has exceeded the escapement goal of 43,500.

Fall Chinook Adult Returns to the Columbia River Mouth						
Stock	1995-1999 Average	2000 Return	2001 Preseason Forecast	9/10/01 Update	9/13/01 Update	9/17/01 Update
URB	144,100	155,900	132,700	190,000	205,300	232,800
SRW	1,800	1,977	7,600	7,600	7,600	7,600
MCB	47,800	35,200	45,300	53,000	59,300	64,500
BPH	32,900	20,100	61,900	109,000	125,000	125,000
LRH	52,700	27,000	30,500	30,500	60,000	60,000
LRW	10,700	10,200	18,500	18,500	18,500	18,500
LRB	NA	1,500	2,400	2,400	2,400	2,400
SAB	4,200	3,400	3,400	3,400	3,400	3,400
Total	289,000	253,300	292,300	405,800	473,900	506,600

- The escapement goal at Spring Creek Hatchery has been exceeded with a total of 11,400 males, 10,400 females, and 7,400 jacks returning through September 16.

Treaty Indian Fishery

<i>Treaty Indian Commercial Fishery Update</i>							
Dates		Total Chinook	URB	BPH	MCB	Total Steelhead	Wild
							A Index B Index
Aug. C&S		300	140	120	40	6,400	740 320
Aug. 28- Sep. 1	Ticket	17,080				3,110	
	Non-Ticket	11,519				2,383	
	<i>Total</i>	<i>28,599</i>	<i>10,465</i>	<i>13,907</i>	<i>2,317</i>	<i>5,493</i>	<i>1,265 438</i>
Sep. 4-8	Ticket	30,120				4,921	
	Non-Ticket	8,026				480	
	<i>Total</i>	<i>38,146</i>	<i>14,699</i>	<i>19,745</i>	<i>2,414</i>	<i>5,401</i>	<i>1,318 269</i>
Sep. 11-15	Ticket	30,474				7,453	
	Non-Ticket	7,914				828	
	<i>Total</i>	<i>38,388</i>	<i>12,229</i>	<i>20,055</i>	<i>4,913</i>	<i>8,281</i>	<i>1,048 579</i>
<i>Grand Total</i>		<i>105,433</i>	<i>37,533</i>	<i>53,827</i>	<i>9,684</i>	<i>25,575</i>	<i>4,371 1,606</i>

- During the first three fishing period, landings included 4,400 coho, 190 white sturgeon, and 15 walleye.

<i>2001 Zone 6 Set Net Counts</i>						
Date	Mesh Restrictions	Bonn	The Dalles	John Day	Total	Comments
Aug. 31	None	148	105	145	398	
Sep. 5	None	100	84	151	334	97-99 Sep 3 counts range 366-498
Week 37	None	----	----	----	----	Net count not made

Fishery Proposals

Treaty Indian Fishery Proposal

- The tribes may propose a season at the hearing.

Impacts Summary

Summary of Fishery Impacts During Fall of 2001			
Fishery	Chinook Catch	URB Impacts	
		No.	%
Treaty Indian Fisheries			
August C&S	300	140	0.06
Commercial through Sep 15	105,100	37,400	16.06
Late Fall C&S	260	200	0.09
Treaty Indian Total	105,660	37,740	16.21
Non-Indian Fisheries			
August Sturgeon/Salmon Commercial	2,074	469	0.20
August 2S Commercial	4,380	2,359	1.01
Select Area Commercial (Proj. Total)	2,650	100	0.05
Buoy 10 Sport	11,400	2,097	0.90
LCR Sport (Proj. Total)	10,000	5,080	2.18
Zone 6 Sport (Proj. Total)	1,420	1,020	0.44
Coho Tangle Test Fishery	300	96	0.05
Remaining Commercial Fisheries	21,380	7,950	3.42
Non-Indian Total	53,600	19,200	8.25
Grand Total	159,260	56,940	24.46

- Impacts on wild Group B index steelhead by treaty Indian fisheries are estimated to total 14.09% through September 15 and are projected to total 14.37% for the season, including the late fall C&S.
- Impacts on wild Group B index steelhead are projected to total 1.6% for all non-Indian fisheries.
- Ocean and freshwater fishery impacts to Oregon state listed wild coho destined for Lower Columbia River tributaries are projected to total 11.4% with a 14.6% impact rate on early stock and a 8.9% impact rate on late stock.

Future Compact Hearing

- The next Compact hearing is scheduled for 1PM Wednesday by telephone to consider non-Indian fishery options. The Joint Staff recommends the next Compact hearing be held at 10 a.m. Friday, September 21, 2001, at the Washington Department of Fish and Wildlife in Vancouver, Washington.

Oregon Department of Fish and Wildlife
Washington Department of Fish and Wildlife
September 17, 2001